

Appl. No. : 10/032,996
Filed : December 27, 2001

AMENDMENTS TO THE CLAIMS

- 1-26. (Cancelled).
27. (Currently amended) An isolated polypeptide comprising:
 - (a) the amino acid sequence of the polypeptide ~~of shown in Figure 4~~ (SEQ ID NO:7);
 - (b) the amino acid sequence of the polypeptide ~~of shown in Figure 4~~ (SEQ ID NO:7), lacking its associated signal peptide;
 - (c) the amino acid sequence of the extracellular domain of the polypeptide ~~of shown in Figure 4~~ (SEQ ID NO:7);
 - (d) the amino acid sequence of the extracellular domain of the polypeptide ~~of shown in Figure 4~~ (SEQ ID NO:7), lacking its associated signal peptide; or
 - (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203661.
28. (Currently amended) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide ~~of shown in Figure 4~~ (SEQ ID NO:7).
29. (Currently amended) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide ~~of shown in Figure 4~~ (SEQ ID NO:7), lacking its associated signal peptide.
30. (Currently amended) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the extracellular domain of the polypeptide ~~of shown in Figure 4~~ (SEQ ID NO:7).
31. (Currently amended) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the extracellular domain of the polypeptide ~~of shown in Figure 4~~ (SEQ ID NO:7), lacking its associated signal peptide.
32. (Previously presented) The isolated polypeptide of Claim 27 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203661.
33. (Previously presented) A chimeric polypeptide comprising a polypeptide according to Claim 27 fused to a heterologous polypeptide.
34. (Currently Amended) The chimeric polypeptide of Claim 33, wherein said heterologous polypeptide is ~~an epitope a tag polypeptide~~ or an Fc region of an immunoglobulin.

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35. (Currently amended) An isolated polypeptide having at least 95% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide of shown in Figure 4 (SEQ ID NO:7);
- (b) the amino acid sequence of the polypeptide of shown in Figure 4 (SEQ ID NO:7), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide of shown in Figure 4 (SEQ ID NO:7);
- (d) the amino acid sequence of the extracellular domain of the polypeptide of shown in Figure 4 (SEQ ID NO:7), lacking its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203661;

wherein said isolated polypeptide is overexpressed in lung or colon tumors compared to normal lung or colon tissue, respectively, or wherein said isolated polypeptide is encoded by a nucleic acid which is amplified in lung or colon tumor compared to normal lung or colon tissue, respectively, retains the biological activity of a native PRO539 polypeptide.

36. (Canceled).

37. (Previously presented) The isolated polypeptide of Claim 35, wherein said amino acid sequence identity is at least 96%.

38. (Previously presented) The isolated polypeptide of Claim 35, wherein said amino acid sequence identity is at least 97%.

39. (Previously presented) The isolated polypeptide of Claim 35, wherein said amino acid sequence identity is at least 98%.

40. (Previously presented) The isolated polypeptide of Claim 35, wherein said amino acid sequence identity is at least 99%.

41-45. (Canceled).

46. (New) A chimeric polypeptide comprising a polypeptide according to Claim 35 fused to a heterologous polypeptide.

47. (New) The chimeric polypeptide of Claim 46, wherein said heterologous polypeptide is a tag polypeptide or an Fc region of an immunoglobulin.

48. (New) An isolated polypeptide having at least 95% amino acid sequence identity to:

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- (a) the amino acid sequence of the polypeptide of SEQ ID NO:7;
- (b) the amino acid sequence of the polypeptide of SEQ ID NO:7, lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:7;
- (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO:7, lacking its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203661;
wherein said isolated polypeptide or a fragment thereof can be used to generate an antibody which can be used to specifically detect the polypeptide of SEQ ID NO:7 in lung or colon tissue samples.

49. (New) The isolated polypeptide of Claim 48, wherein said amino acid sequence identity is at least 96%.

50. (New) The isolated polypeptide of Claim 48, wherein said amino acid sequence identity is at least 97%.

51. (New) The isolated polypeptide of Claim 48, wherein said amino acid sequence identity is at least 98%.

52. (New) The isolated polypeptide of Claim 48, wherein said amino acid sequence identity is at least 99%.

53. (New) A chimeric polypeptide comprising a polypeptide according to Claim 48 fused to a heterologous polypeptide.

54. (New) The chimeric polypeptide of Claim 53, wherein said heterologous polypeptide is a tag polypeptide or an Fc region of an immunoglobulin.